Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/30/2018 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123897	-1	2.29	123887	2.37
Blue	F	SSC	125000	123313	-2	2.27	123959	2.27
Blue	E	FITC	16596	15884	-5	3.33	342	22.11
Blue	D	PE	29392	28415	-4	2.57	616	16.59
Blue	B	PerCP-Cy5-5	38531	38180	-1	4.89	1166	23.66
Blue	A	PE-Cy7	26351	25825	-2	8.73	630	48.71
Red	C	APC	43035	41760	-3	2.94	1570	13.54
Red	A	APC-Cy7	25611	25106	-2	3.75	883	13.50
Violet	B	V450	8803	8332	-6	4.36	458	14.51
Violet	A	V500	32560	30983	-5	4.09	717	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20304	4.56	611	14	N/A	N/A	Pass
Blue	F	SSC	55447	1.91	575	20	N/A	N/A	Pass
Blue	E	FITC	60	74.13	560	10	0.0166	216	Pass
Blue	D	PE	129	56.89	561	12	0.1336	304	Pass
Blue	B	PerCP-Cy5-5	220	56.98	669	18	0.0068	61	Pass
Blue	A	PE-Cy7	121	118.97	730	25	0.0077	20	Pass
Red	C	APC	364	29.15	601	4	0.0196	168	Pass
Red	A	APC-Cy7	215	28.97	578	7	0.0043	763	Pass
Violet	B	V450	72	67.59	479	4	0.0495	2687	Pass
Violet	A	V500	108	39.63	489	5	0.0211	1368	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.05	-31.83	1.07
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.11	13.60 - 20.40	N/A	N/A	29.22	29.37	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10450

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments